

PLRM Series

20-200 kVA (380V/400V/415V)



DESCRIPTION

PLRM Series is modular online UPS for sensitive equipments. The single cabinet power rating covers from 20kVA to 200kVA. With the latest IGBT three-level and full DSP control technology, the PLRM series delivers the best of combination of reliability, hot-swappable and flexibility.

The PLRM Series develops the in-built transformer type range from 20kVA to 60kVA for customer's choices.

GENERAL SPECIFICATIONS

- Modular design up to 20 power modules in parallel online hot-swappable N + X redundancy
- Independent charger for each module and intelligently control the whole charging process, prolong the life time of the battery.
- Top and bottom cable entry and connection
- Battery cold start, UPS can be powered on from the battery without utility
- Modular design with transformer (optional)
- High Power Density
- Integrated IGBT design
- Touch LCD display with abundant indormation
- Independent air channel to keep PCB's free of dust

TECHNICAL SPECIFICATIONS

MODELS	PLRM200/20	PLRM120/20	PLRM060/20	PLRM060/20-TX (in-built transformer)	
Power (kVA)	200kVA/180kW	120kVA/106kW	60kVA/54kVA	60kVA/48kW	
Power Module	PM20(20kVA)				
INPUT					
Phase	3 P + N + G, 380V/400V/415V				
Voltage Range	304V-478VAC (line-line), full load; 228V-304VAC (line-line), load decrease linearly according to the min phase voltage				
Frequency Range	40Hz - 70Hz				
Power Factor	> 0.99				
THDi	THDi<3% @ 100% linear load				
OUTPUT					
Voltage	380V/400V/415V				
Voltage Regulation	1.5 %				
Power Factor	0.9		0.8		
THDu	THD<1%(linear load), THD<5.5%(non-linear load)				
Crest Factor	3:1				
Overload Capability	110% for 1 hour; 125% for 10min; 150% for 1min; >150% for 200ms				
BATTERY					
Voltage	± 240VDC				
Charge Power	20% * System Power				
Charge Voltage Precision	± 1%				
SYSTEM					
System Efficiency	Normal Mode: 95%; ECO Mode: 99%; Battery Mode: 95%				
Display	LCD + LED, Touch Screen + Keyboard				
IP Class	IP20				
Interface	Standard: RS232, RS485, Dry Contacts; Optional: SNMP				
Operation/Storage Temperature	(0°C)-(-40°C) / (-40°C)-(-70°C)				
Relative Humidity	0-95%(non-condensing)				
Noise	55dB (1 meter away)				
PHYSICAL					
Weight	Cabinet	179kg	145kg	105kg	400kg
	Power Module	22kg			
Dimension (W*D*H)	Cabinet	600x900x2000(mm)	600x900x1600 (mm)	600x900x1100 (mm)	600x900x1600 (mm)
	Power Module	440x590x134(mm)			
NOTE: All specifications subject to change without notice. Consult EPC's Technical Support Department for special applications. All names used above are registered trademarks of their respective owners.					